

## CLAIMS

1. A mobile phone for receiving a video signal and displaying video on a screen, comprising:

an acquiring unit operable to acquire incoming  
5 signal information related to an incoming signal or detection information related to detection of a prescribed operation by a user;

a generating unit operable to generate display information related to mobile communication; and

10 a display unit operable to display the display information on the screen along with the video being displayed, if the incoming signal information or the detection information is acquired.

15 2. The mobile phone of claim 1, wherein the incoming signal information includes ID information identifying an originator, and the generating unit generates the display information based on the ID information.

20 3. The mobile phone of claim 2, wherein the screen is composed of a first display area and a second display area, and the display unit stores ratio information showing  
25 an area ratio between the first display area and the second display area, generates downscaled video by downscaling the video relative to a size being displayed on the screen based on the ratio information, and displays the downscaled video

in the first display area and the ID information in the second display area.

4. The mobile phone of claim 2, wherein  
5 the display unit displays the ID information to overlap the video.

5. The mobile phone of claim 2, wherein  
the mobile phone further receives an audio signal  
10 corresponding to the video signal, and outputs audio, and  
the mobile phone further comprises:  
a volume adjusting unit operable to adjust a volume  
of the audio output on acquiring the incoming signal  
information; and  
15 an audio output unit operable to output or mute the  
audio based on the adjusted volume.

6. The mobile phone of claim 1, wherein  
the acquiring unit acquires the detection  
20 information by detecting a prescribed operation by the user  
during video display in a standard video display orientation,  
and

the display unit generates downscaled/rotated  
video by downscaling and rotating the video 90 degrees from  
25 the standard video display orientation and displays the  
display information on the screen alongside the  
downscaled/rotated video, if information related to the  
operation by the user is acquired.

7. The mobile phone of claim 6, wherein  
the screen is composed of a first display area and  
a second display area, and  
5 the display unit stores ratio information showing  
an area ratio between the first display area and the second  
display area, generates the downscaled/rotated video based  
on the ratio information, and displays the  
downscaled/rotated video in the first display area and the  
10 display information in the second display area.

8. The mobile phone of claim 7, wherein  
the display unit, on receipt of ratio information  
different from the stored ratio information, upscales or  
15 further downscales the downscaled/rotated video based on the  
received ratio information instead of displaying the display  
information alongside the downscaled/rotated video, and  
displays the display information alongside the  
downscaled/rotated video after upscaling or further  
20 downscaling.

9. The mobile phone of claim 6 further comprising:  
an operation instruction receiving unit operable  
to receive an operation instruction from the user;  
25 a switching instruction receiving unit operable to  
receive a switching instruction to switch an operation target  
from the user during display of the downscaled/rotated video  
and the display information; and

an operation switching unit operable, on receipt of the switching instruction, to switch the target of an operation based on the operation instruction, from a first function relating to display of the downscaled/rotated video to a second function relating to the display information, or from the second function to the first function.

10. The mobile phone of claim 9, wherein the operation switching unit stores output destination information showing one of the first function and the second function as the target of the operation based on the operation instruction, and rewrites the output destination information on receipt of the switching information, from information showing the first function to information showing the second function, or from information showing the second function to information showing the first function, and

the operation instruction receiving unit outputs the operation instruction to one of the first function and the second function, according to information shown by the output destination information.

11. The mobile phone of claim 6, wherein the mobile phone further receives an audio signal corresponding to the video signal, and outputs audio, and

the mobile phone further comprises:

an operating instruction receiving unit operable to receive an operating instruction relating to the mobile

phone;

a volume adjusting unit operable to adjust the volume of the audio output on receipt of the operating instruction; and

5 an audio output unit operable to output or mute the audio based on the adjusted volume.

12. The mobile phone of claim 1 further comprising:

two speakers disposed one on either side of the  
10 screen; and

an audio output unit operable to play audio included in a television broadcast signal in stereo using the two speakers when the two speakers are positioned laterally relative to the video, and in monaural using the  
15 two speakers when the two speakers are positioned vertically relative to the video.

13. A display method used by a mobile phone that receives a video signal and displays video on a screen, and  
20 includes an acquiring unit, a generating unit and a display unit, comprising the steps of:

using the acquiring unit to acquire incoming signal information related to an incoming signal or detection information related to detection of a prescribed operation  
25 by a user;

using the generating unit to generate display information related to mobile communication; and

using the display unit to display the display

information on the screen along with the video being displayed, if the incoming signal information or the detection information is acquired.

5        14. The display method of claim 13, wherein  
         the incoming signal information includes ID  
         information identifying an originator, and  
         the generating step generates the display  
         information based on the ID information.

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         15. The display method of claim 13, wherein  
         the acquiring step uses the acquiring unit to  
         acquire the detection information by detecting a prescribed  
         operation by the user during video display in a standard video  
15 display orientation, and

         the display step uses the display unit to generate  
         downscaled/rotated video by downscaling and rotating the  
         video 90 degrees from the standard video display orientation  
         and display the display information on the screen alongside  
20 the downscaled/rotated video, if information related to the  
         operation by the user is acquired.

         16. The display method of claim 13, wherein  
         the mobile phone further includes two speakers  
25 disposed one on either side of the screen, and an audio output  
         unit, and

         the display method further comprises the step of:  
         using the audio output unit to play audio included

in a television broadcast signal in stereo using the two speakers when the two speakers are positioned laterally relative to the video, and in monaural using the two speakers when the two speakers are positioned vertically relative to  
5 the video.

17. A computer program applied in a mobile phone that receives a video signal and displays video on a screen, and includes an acquiring unit, a generating unit and a display  
10 unit, the computer program causing a computer to execute the steps of:

using the acquiring unit to acquire incoming signal information related to an incoming signal or detection information related to detection of a prescribed operation  
15 by a user;

using the generating unit to generate display information related to mobile communication; and

using the display unit to display the display information on the screen along with the video being  
20 displayed, if the incoming signal information or the detection information is acquired.

18. The computer program of claim 17, wherein  
the incoming signal information includes ID  
25 information identifying an originator, and

the generating step generates the display information based on the ID information.

19. The computer program of claim 17, wherein  
the acquiring step uses the acquiring unit to  
acquire the detection information by detecting a prescribed  
operation by the user during video display in a standard video  
5 display orientation, and

the display step uses the display unit to generate  
downscaled/rotated video by downscaling and rotating the  
video 90 degrees from the standard video display orientation  
and display the display information on the screen alongside  
10 the downscaled/rotated video, if information related to the  
operation by the user is acquired.

20. The computer program of claim 17, wherein  
the mobile phone further includes two speakers  
15 disposed one on either side of the screen, and an audio output  
unit, and

the computer program further causes the computer  
to execute the step of:

using the audio output unit to play audio included  
20 in a television broadcast signal in stereo using the two  
speakers when the two speakers are positioned laterally  
relative to the video, and in monaural using the two speakers  
when the two speakers are positioned vertically relative to  
the video.

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